

AMENDMENTS TO THE SPECIFICATION:

Please replace paragraph [0034] with the following amended paragraph.

Ideally, to enable a printing device to operate optimally, the printer, or more likely, the digital front end ("DFE") of the printing device would have all possible TRCs representing all possible media/halftone interactions or combinations. To ~~have~~ realize such a state, the operator would need to calibrate ~~for each~~ for every media/halftone combination. Not only would the initial calibrations need to take place, each TRC would need to be recalibrated, thereby resulting in a large amount of downtime for the printing device. Conventionally, printing systems only allow the operator to calibrate for the media that is going to be used at that moment by the printing device. Again, this causes large amount of downtime if the printing device is continually changing media.

Please replace paragraph [0052] with the following amended paragraph.

The user can also ~~browses~~ browse through previously stored versions of TRCs (i.e., existing TRCs) for the specified medium type, which are stored in the controller and classified according to halftone screens by inputting a different screen type and reengaging the Display button. As discussed above, the candidate sets of TRCs that were calculated by the processor will be available as existing TRCs in future calibration processes.

Please replace paragraph [0066] with the following amended paragraph.

Another problem, mentioned above, is the downtime required to update TRCs if the printing system maintains a large number of TRCs. The present invention provides a system that enables the user to perform one calibration upon a reference media and automatically update all existing TRCs even if the TRCs are not associated with the reference media. The output of a printing device is a function of the media and halftones used and time wherein time reflects the problem of drift. The function of media is mostly constant over time such that is reasonable to assume that the media function is a constant. Moreover, the halftone function can be ~~assume assumed~~ to be constant. With these assumptions, the present invention generates a plurality of mathematical relationships,

each relationship being between a reference media type or reference media/halftone combination and one of the pre-stored TRCs. In this way, a user can calibrate using a single reference media or media/halftone combination and be able to update all TRCs in the system. In other words, the present invention calibrates to a single reference media or reference media/halftone combination, and based upon predetermined relationships, apply an universal update to all existing TRCs based on an algorithm that uses the new reference TRC and the predetermined relationships.